

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100622\
 Data File : VY010842.D
 Acq On : 06 Oct 2022 14:14
 Operator : KP/MD
 Sample : N5004-17
 Misc : 6.45g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22015-18

Quant Time: Oct 07 02:29:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

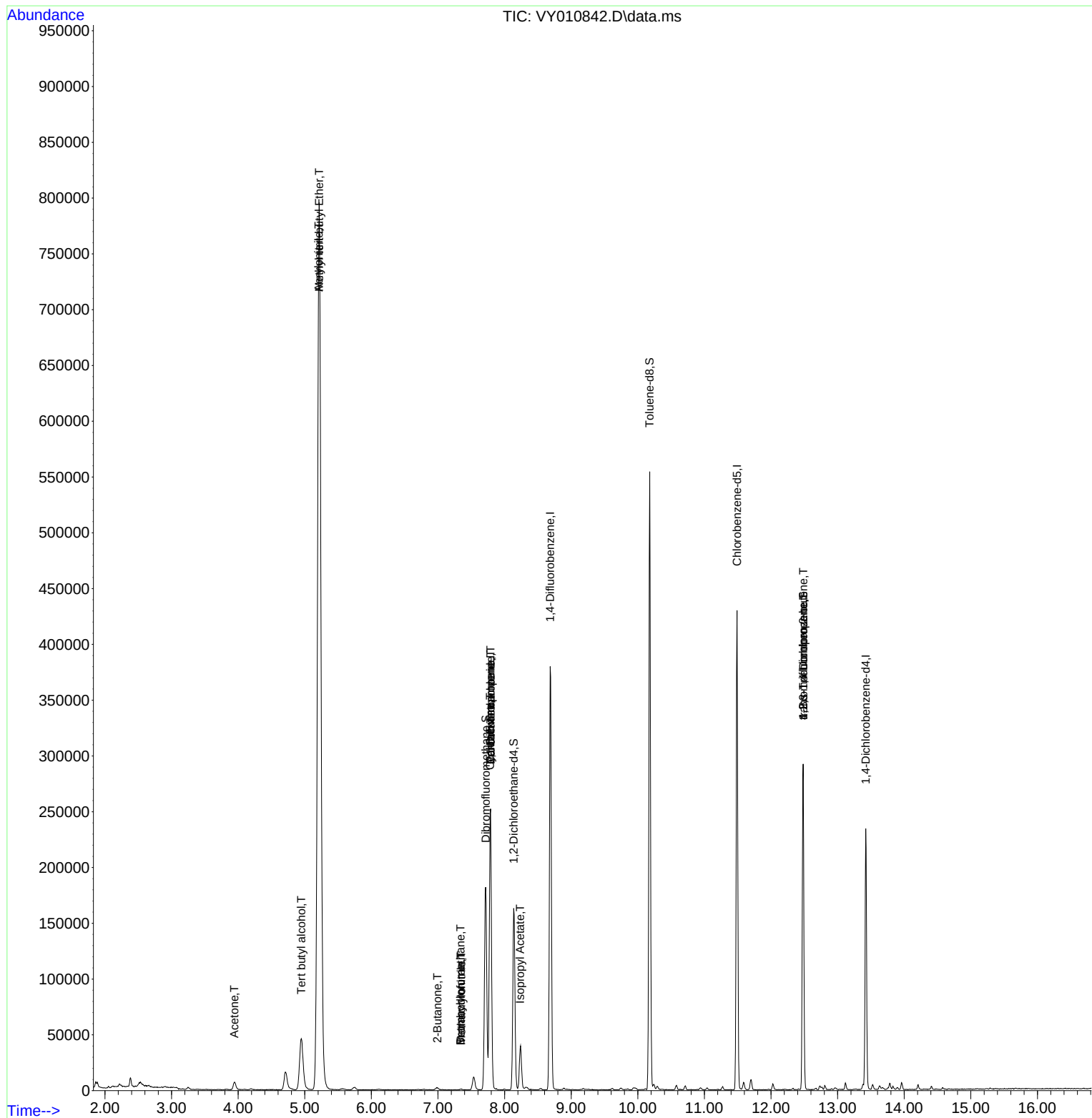
Internal Standards						
1) Pentafluorobenzene	7.789	168	193504	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	330141	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	231633	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	58792	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	126730	64.612	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.220%	
35) Dibromofluoromethane	7.716	113	130923	59.741	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.480%	
50) Toluene-d8	10.179	98	350329	46.744	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 93.480%	
62) 4-Bromofluorobenzene	12.483	95	86014	27.738	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 55.480%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.948	59	87296	514.668	ug/l #	92
15) Acrylonitrile	5.210	53	16541	32.278	ug/l #	30
16) Acetone	3.942	43	12555	25.203	ug/l	97
19) Methyl tert-butyl Ether	5.216	73	1406973	293.786	ug/l	97
25) 2-Butanone	6.990	43	2657	3.710	ug/l #	66
28) Bromochloromethane	7.338	49	20	4.725	ug/l #	16
29) Tetrahydrofuran	7.344	42	509	1.209	ug/l #	53
31) Cyclohexane	7.783	56	4448	1.267	ug/l #	7
36) 1,1-Dichloropropene	7.789	75	15150	4.789	ug/l #	50
38) Carbon Tetrachloride	7.789	117	19872	6.031	ug/l #	15
41) Methacrylonitrile	7.350	41	366	2.963	ug/l #	24
43) Isopropyl Acetate	8.234	43	8378	2.982	ug/l #	58
76) 1,2,3-Trichloropropane	12.483	75	44090	74.053	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	44090	154.691	ug/l #	7

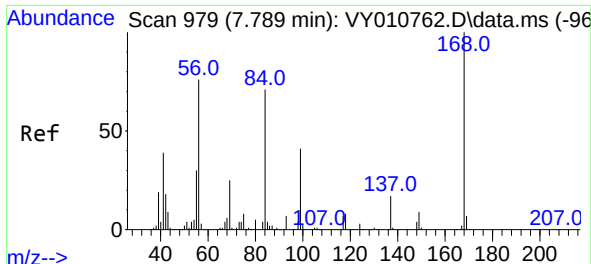
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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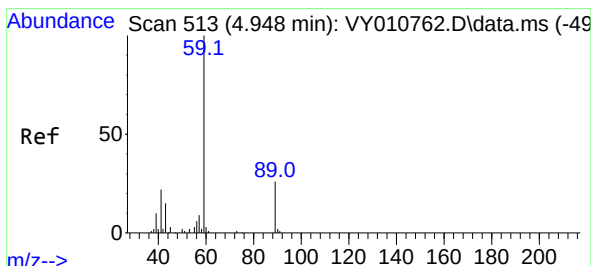
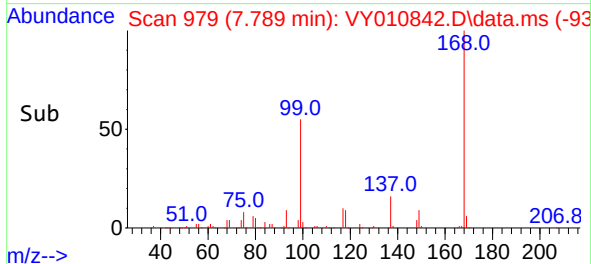
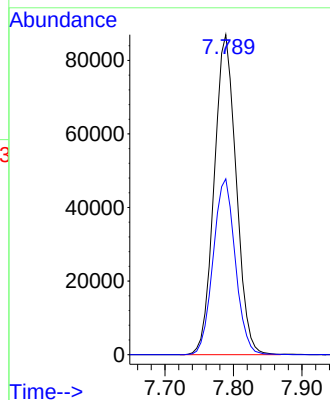
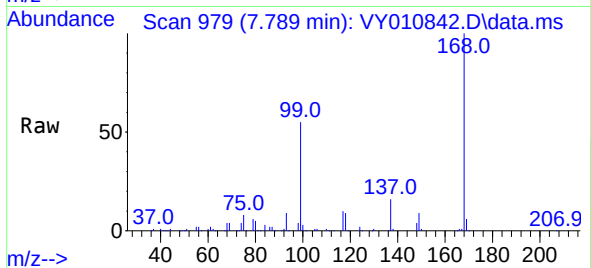




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010842.D
Acq: 06 Oct 2022 14:14

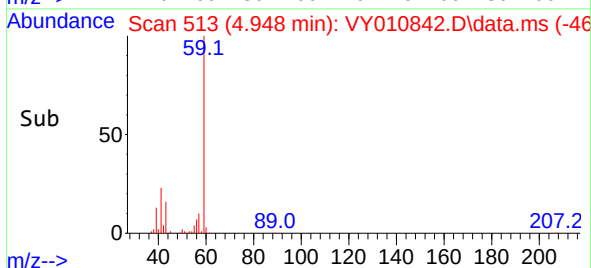
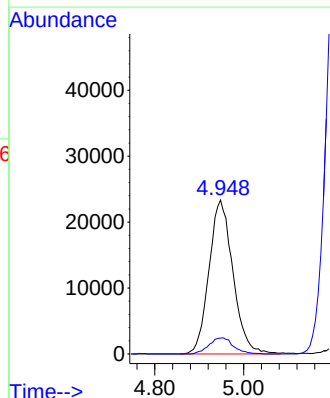
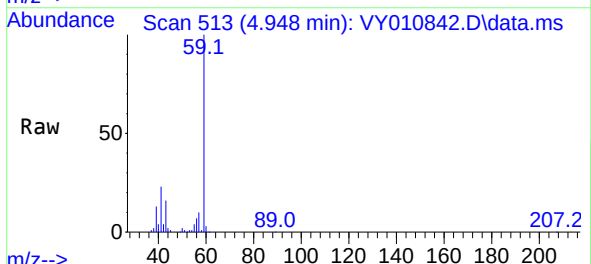
Instrument :
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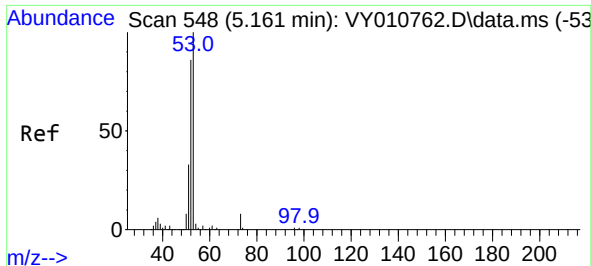
Tgt Ion:168 Resp: 193504
Ion Ratio Lower Upper
168 100
99 55.0 46.9 70.3



#11
Tert butyl alcohol
Concen: 514.668 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY010842.D
Acq: 06 Oct 2022 14:14

Tgt Ion: 59 Resp: 87296
Ion Ratio Lower Upper
59 100
57 10.7 6.4 9.6#

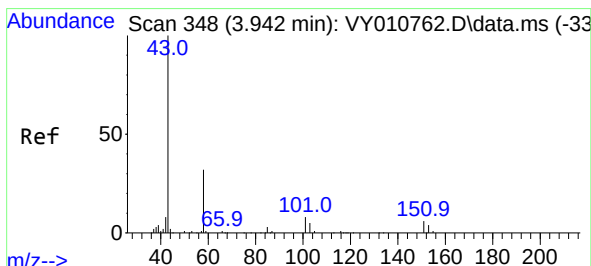
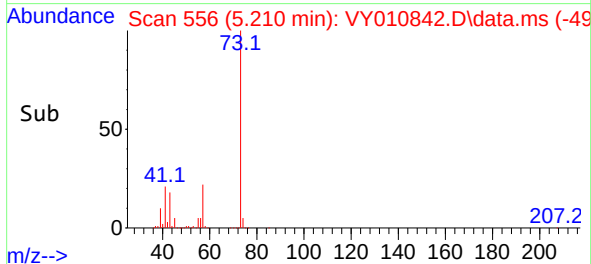
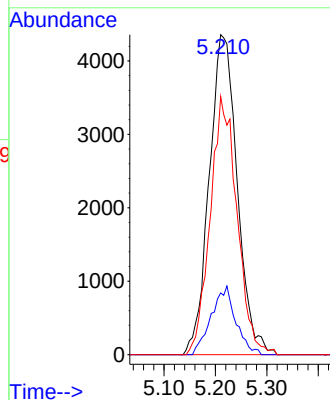
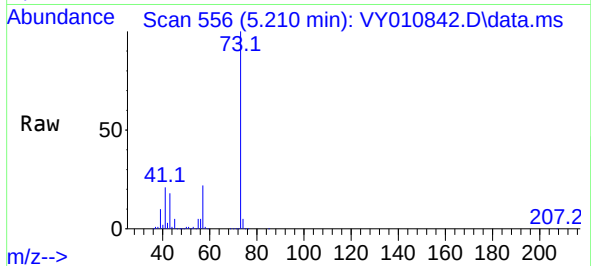




#15
Acrylonitrile
Concen: 32.278 ug/l
RT: 5.210 min Scan# 51
Delta R.T. 0.049 min
Lab File: VY010842.D
Acq: 06 Oct 2022 14:14

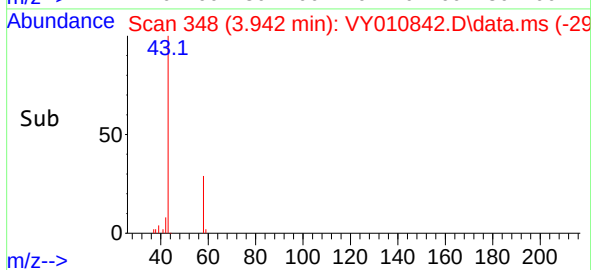
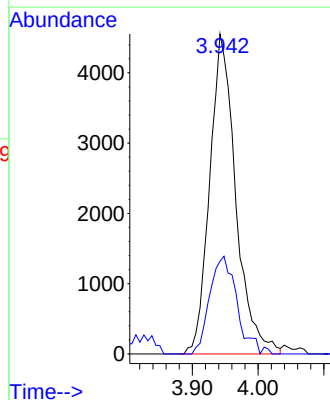
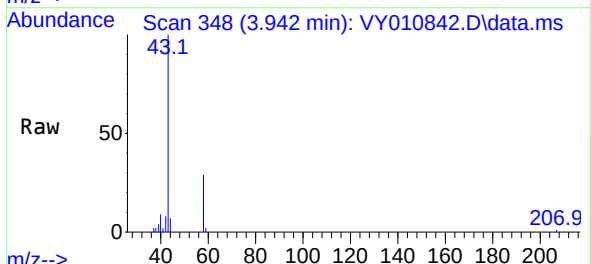
Instrument :
MSVOA_Y
ClientSampleId :
D22015-18

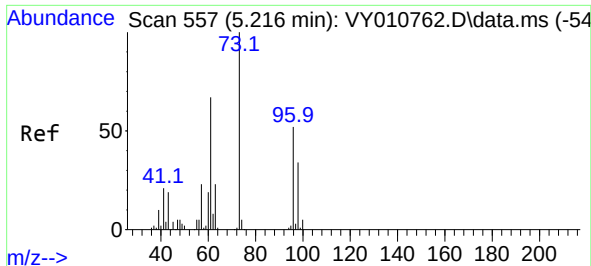
Tgt Ion: 53 Resp: 16541
Ion Ratio Lower Upper
53 100
52 18.7 67.0 100.4#
51 77.1 29.8 44.6#



#16
Acetone
Concen: 25.203 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY010842.D
Acq: 06 Oct 2022 14:14

Tgt Ion: 43 Resp: 12555
Ion Ratio Lower Upper
43 100
58 29.0 22.0 33.0





#19

Methyl tert-butyl Ether

Concen: 293.786 ug/l

RT: 5.216 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY010842.D

Acq: 06 Oct 2022 14:14

Instrument :

MSVOA_Y

ClientSampleId :

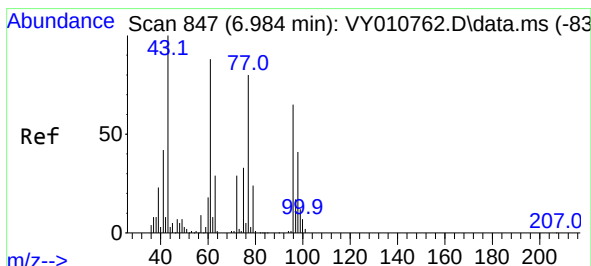
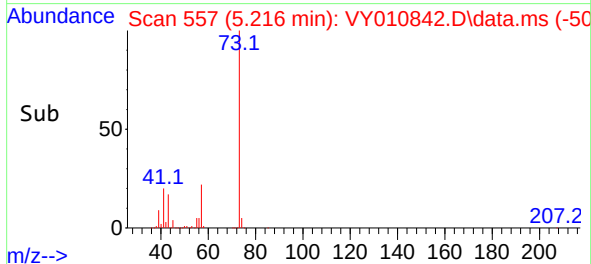
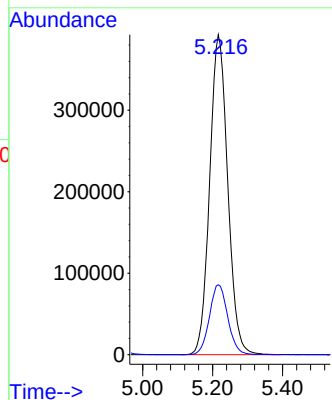
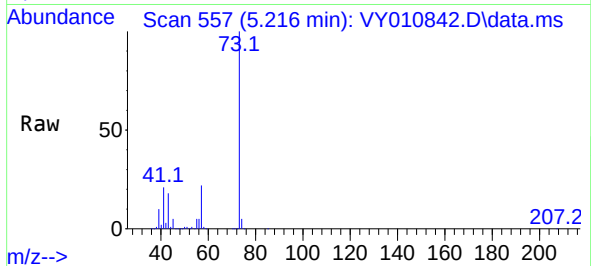
D22015-18

Tgt Ion: 73 Resp: 1406973

Ion Ratio Lower Upper

73 100

57 21.8 18.6 27.8



#25

2-Butanone

Concen: 3.710 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY010842.D

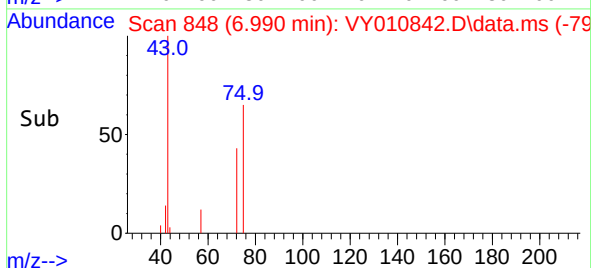
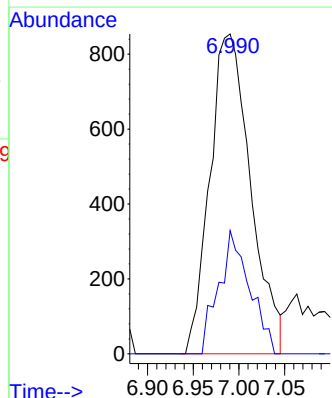
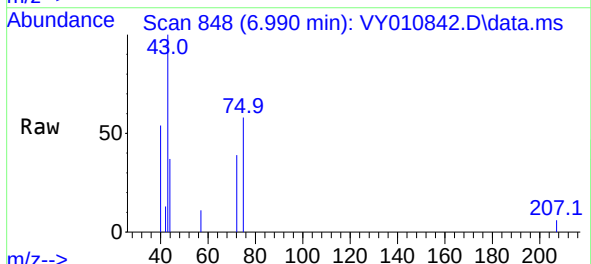
Acq: 06 Oct 2022 14:14

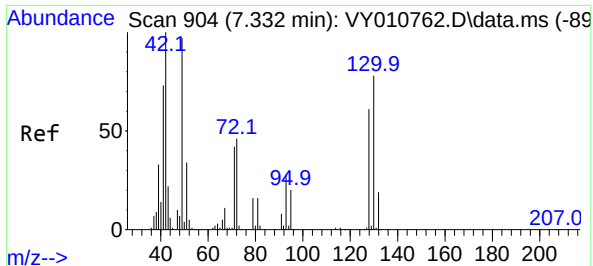
Tgt Ion: 43 Resp: 2657

Ion Ratio Lower Upper

43 100

72 38.5 17.7 26.5#

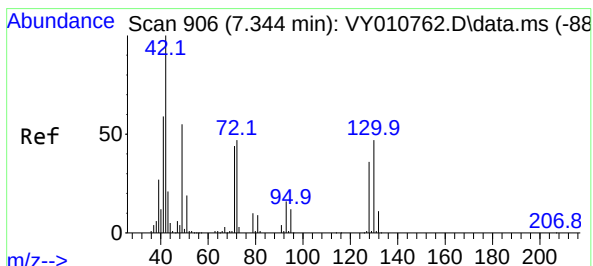
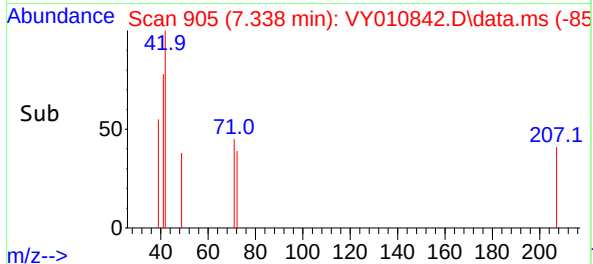
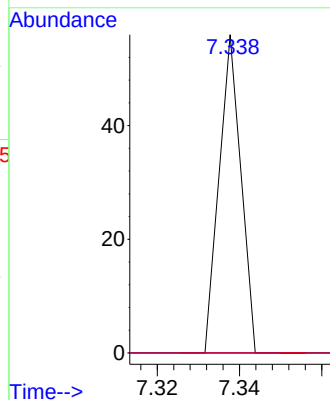
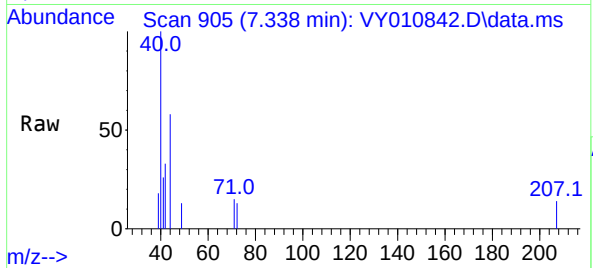




#28
Bromochloromethane
Concen: 4.725 ug/l
RT: 7.338 min Scan# 904
Delta R.T. 0.006 min
Lab File: VY010842.D
Acq: 06 Oct 2022 14:14

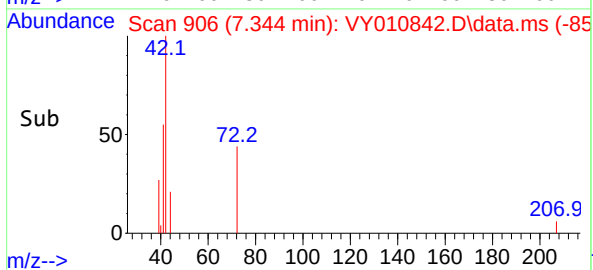
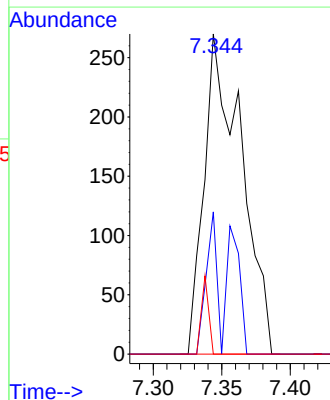
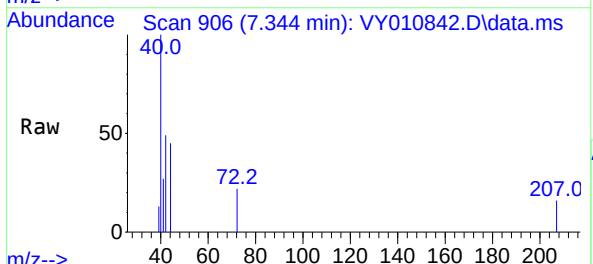
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D22015-18

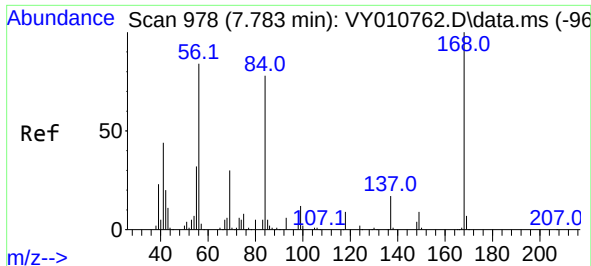
Tgt Ion: 49 Resp: 20
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.2
130 0.0 55.4 83.0#



#29
Tetrahydrofuran
Concen: 1.209 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.000 min
Lab File: VY010842.D
Acq: 06 Oct 2022 14:14

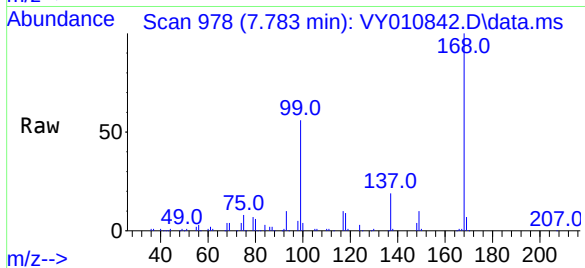
Tgt Ion: 42 Resp: 509
Ion Ratio Lower Upper
42 100
72 12.8 30.3 45.5#
71 4.7 29.0 43.4#



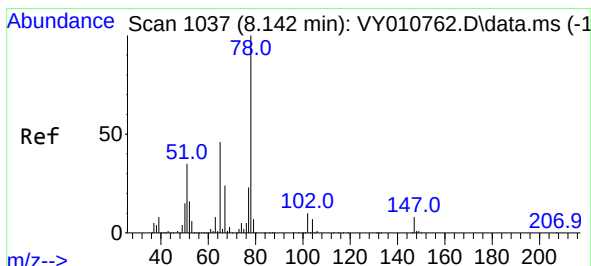
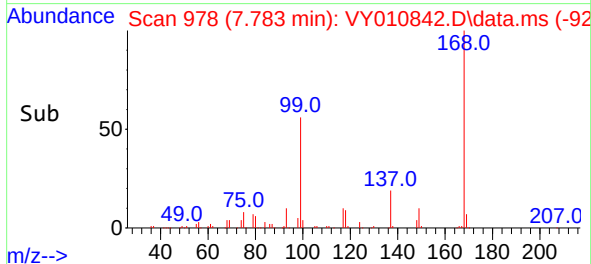
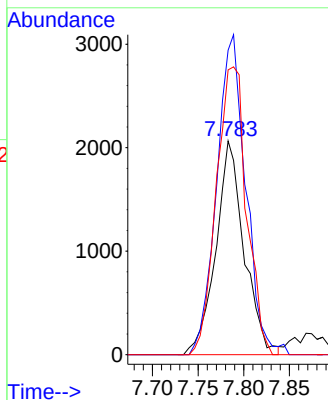


#31
Cyclohexane
Concen: 1.267 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010842.D
Acq: 06 Oct 2022 14:14

Instrument :
MSVOA_Y
ClientSampleId :
D22015-18

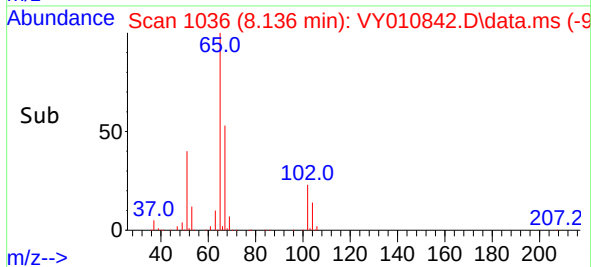
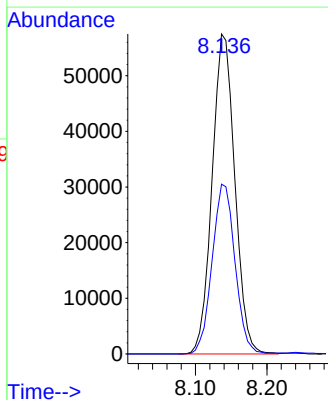
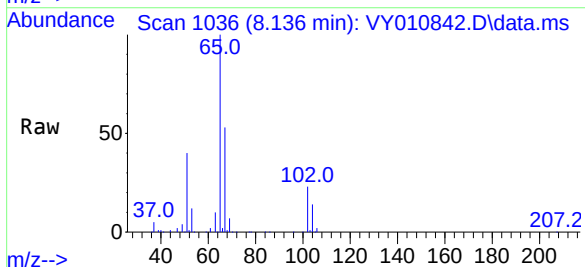


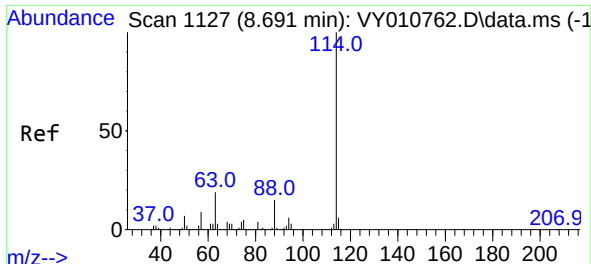
Tgt Ion: 56 Resp: 4448
Ion Ratio Lower Upper
56 100
69 142.5 26.7 40.1#
84 133.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 64.612 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY010842.D
Acq: 06 Oct 2022 14:14

Tgt Ion: 65 Resp: 126730
Ion Ratio Lower Upper
65 100
67 53.5 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY010842.D

Acq: 06 Oct 2022 14:14

Instrument :

MSVOA_Y

ClientSampleId :

D22015-18

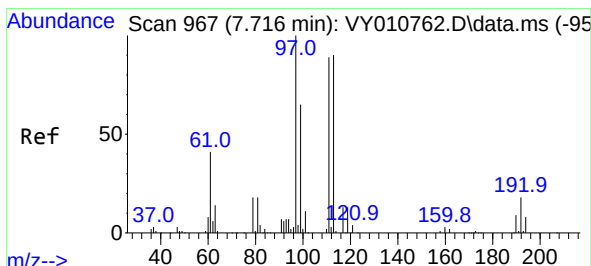
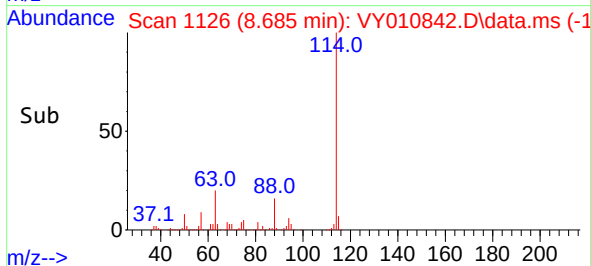
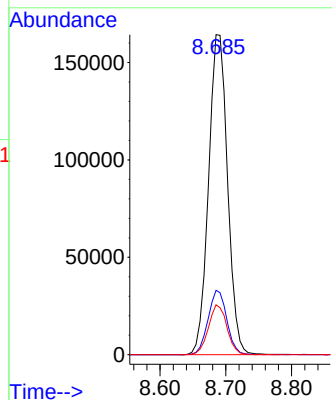
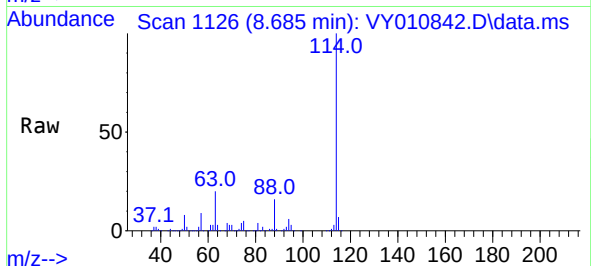
Tgt Ion:114 Resp: 330141

Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.2

88 15.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 59.741 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY010842.D

Acq: 06 Oct 2022 14:14

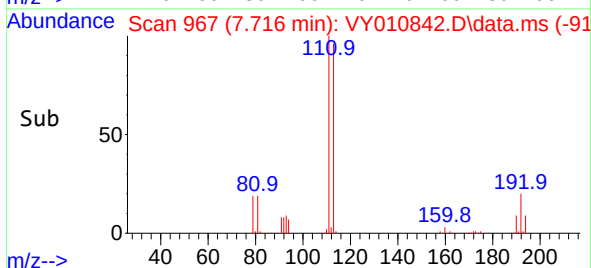
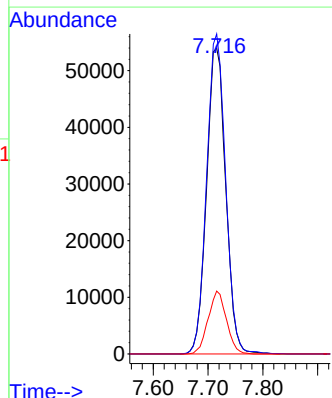
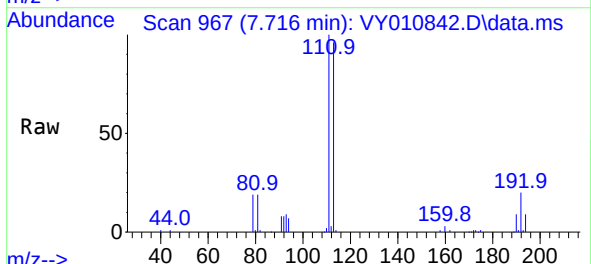
Tgt Ion:113 Resp: 130923

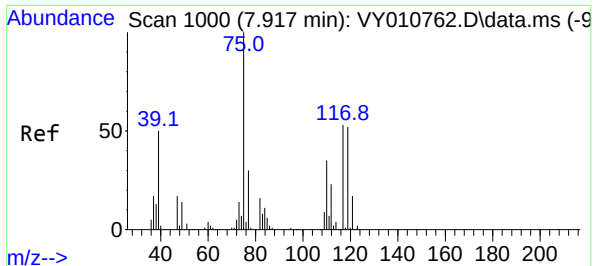
Ion Ratio Lower Upper

113 100

111 103.4 82.6 124.0

192 19.6 17.6 26.4

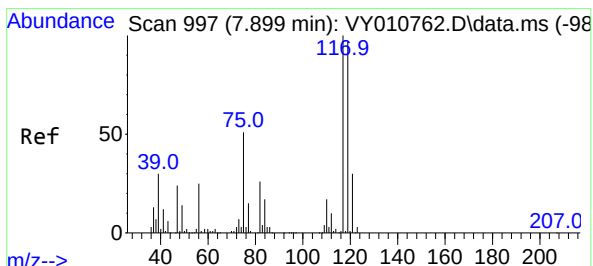
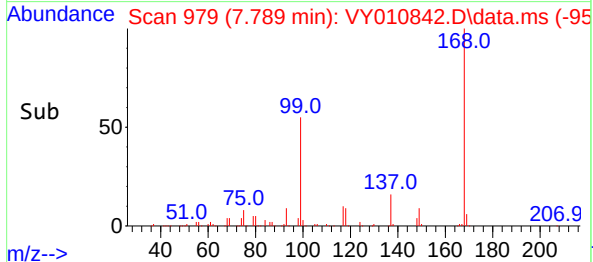
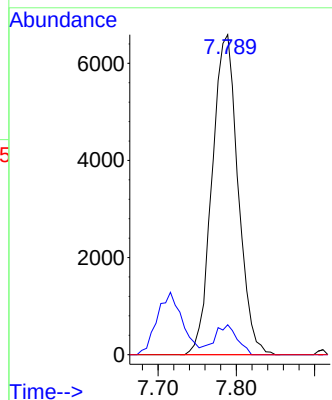
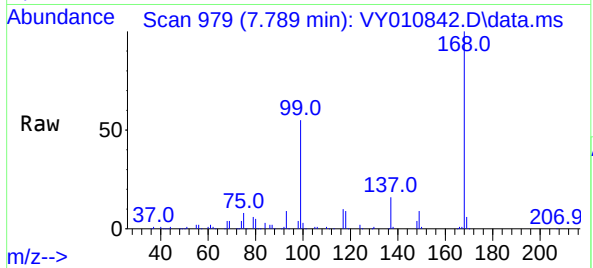




#36
1,1-Dichloropropene
Concen: 4.789 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010842.D
Acq: 06 Oct 2022 14:14

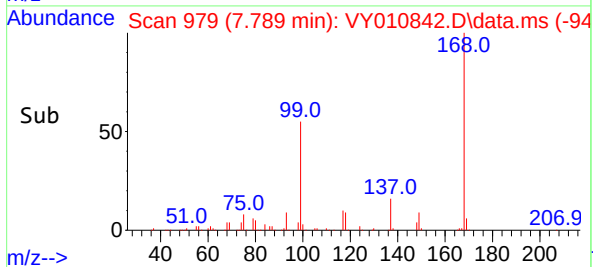
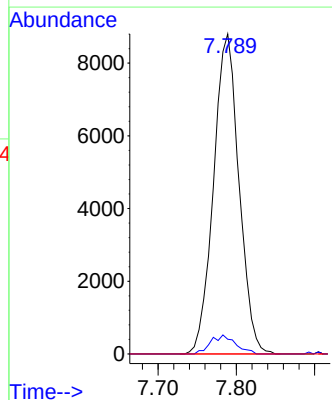
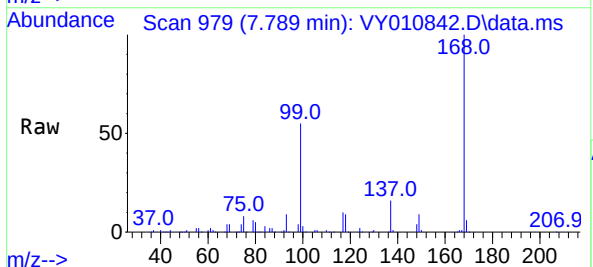
Instrument :
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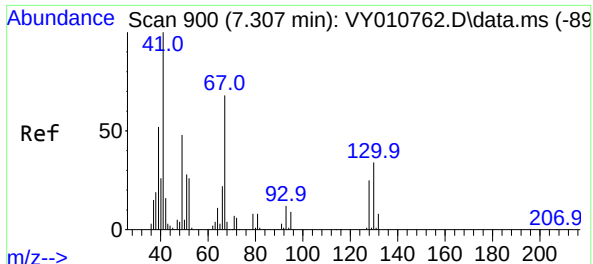
Tgt Ion: 75 Resp: 15150
Ion Ratio Lower Upper
75 100
110 7.9 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.031 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY010842.D
Acq: 06 Oct 2022 14:14

Tgt Ion: 117 Resp: 19872
Ion Ratio Lower Upper
117 100
119 4.6 77.9 116.9#
121 0.0 24.8 37.2#

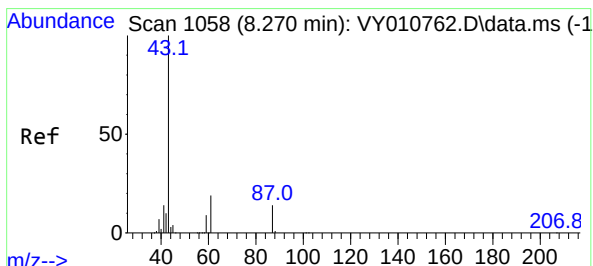
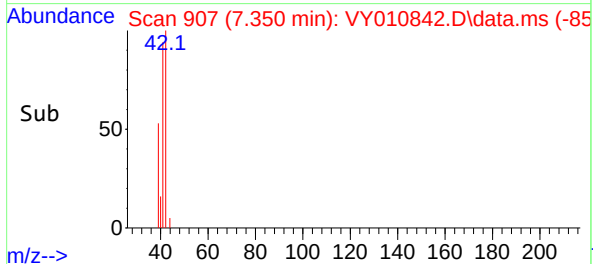
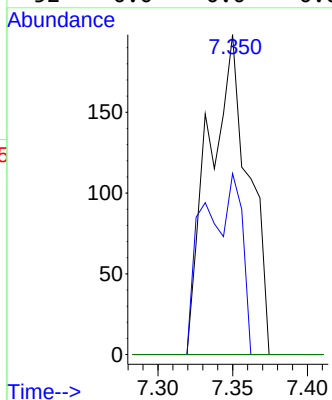
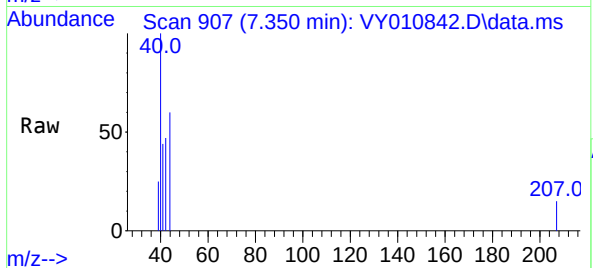




#41
Methacrylonitrile
Concen: 2.963 ug/l
RT: 7.350 min Scan# 90
Delta R.T. 0.043 min
Lab File: VY010842.D
Acq: 06 Oct 2022 14:14

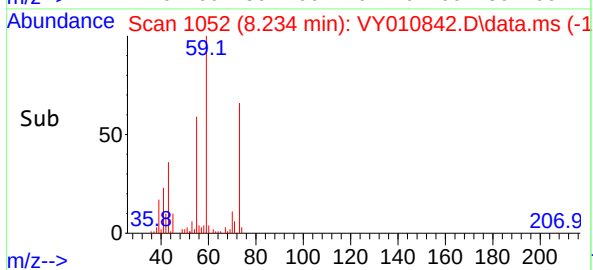
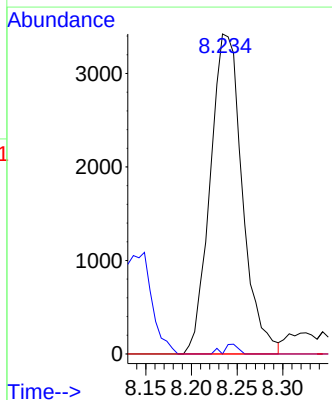
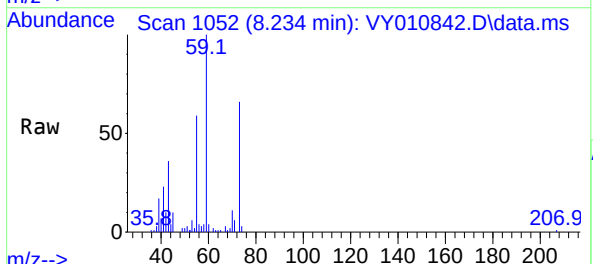
Instrument :
MSVOA_Y
ClientSampleId :
D22015-18

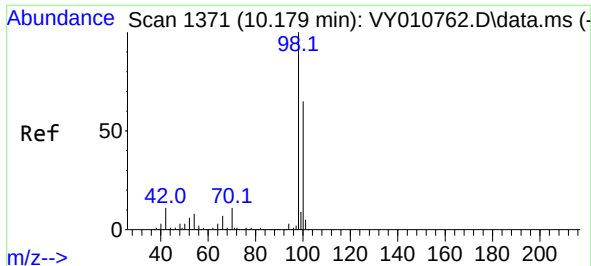
Tgt Ion:	41	Resp:	366
Ion	Ratio	Lower	Upper
41	100		
39	33.3	92.9	139.3#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 2.982 ug/l
RT: 8.234 min Scan# 1052
Delta R.T. -0.036 min
Lab File: VY010842.D
Acq: 06 Oct 2022 14:14

Tgt Ion:	43	Resp:	8378
Ion	Ratio	Lower	Upper
43	100		
61	1.4	20.2	30.2#
87	0.0	8.9	13.3#

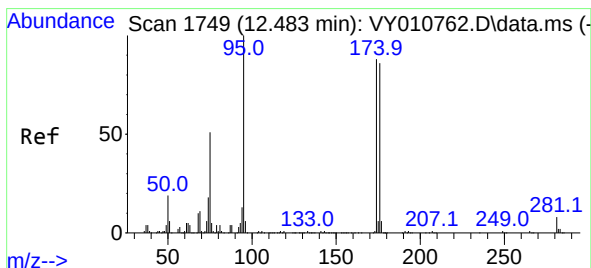
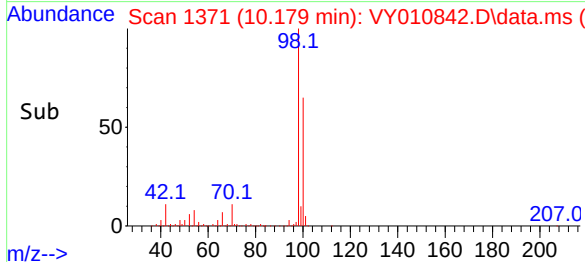
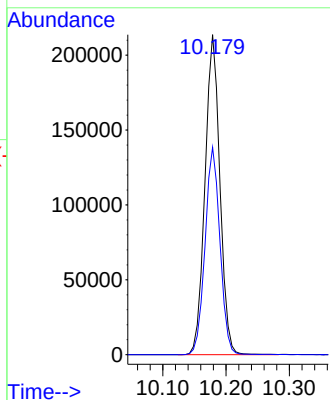
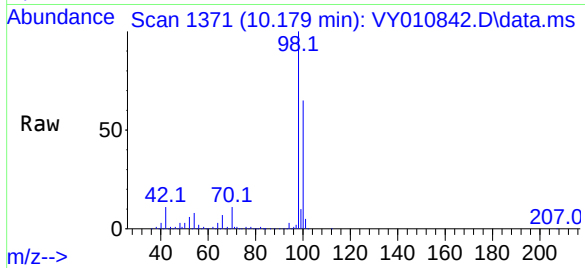




#50
Toluene-d8
Concen: 46.744 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010842.D
Acq: 06 Oct 2022 14:14

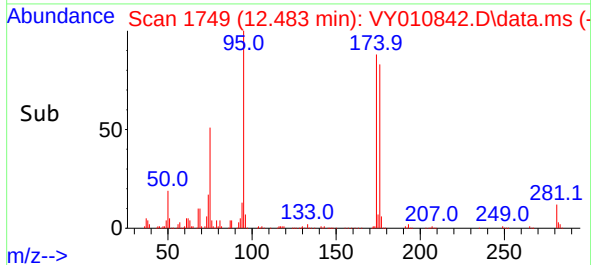
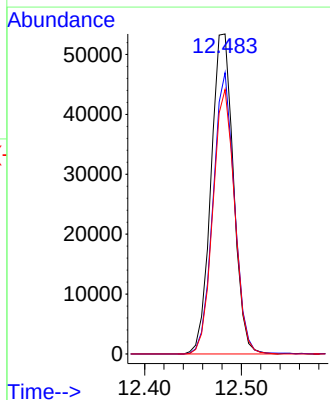
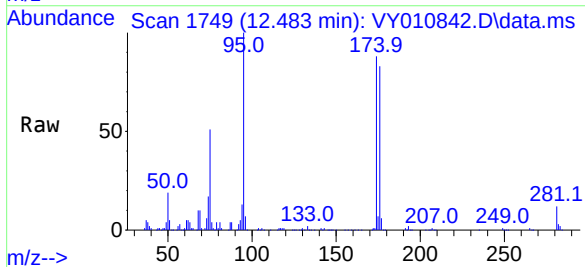
Instrument :
MSVOA_Y
ClientSampleId :
D22015-18

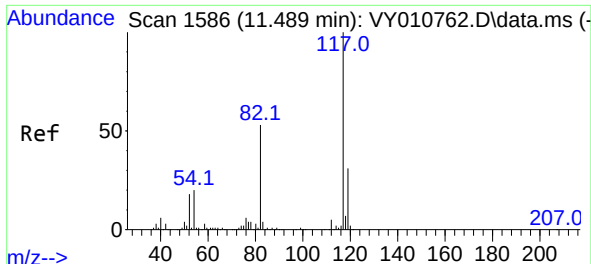
Tgt Ion: 98 Resp: 350329
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 27.738 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY010842.D
Acq: 06 Oct 2022 14:14

Tgt Ion: 95 Resp: 86014
Ion Ratio Lower Upper
95 100
174 83.8 0.0 177.0
176 80.1 0.0 175.8

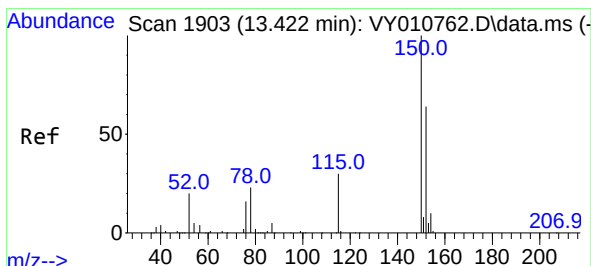
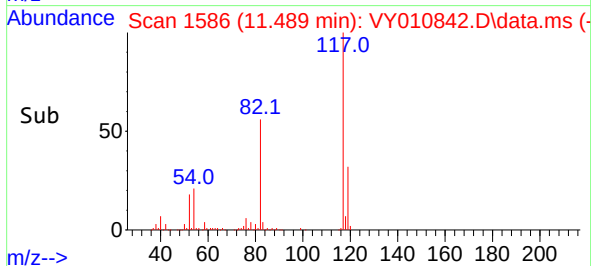
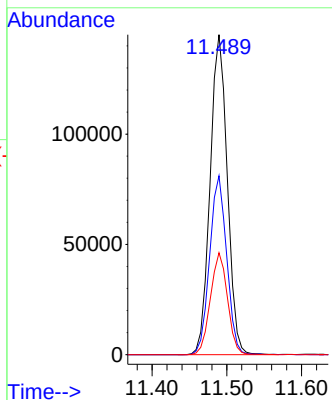
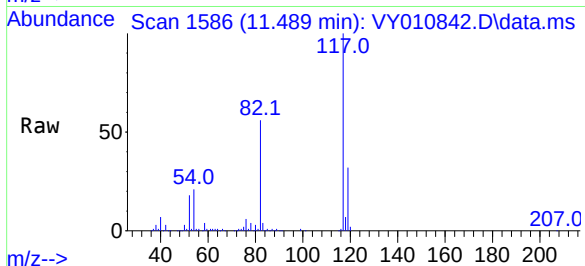




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010842.D
Acq: 06 Oct 2022 14:14

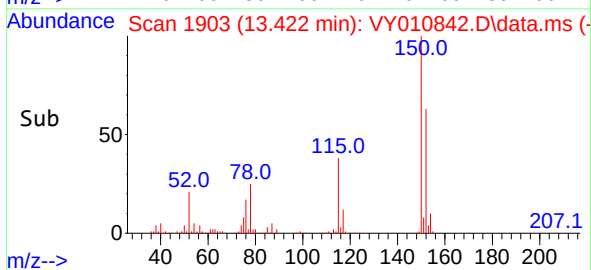
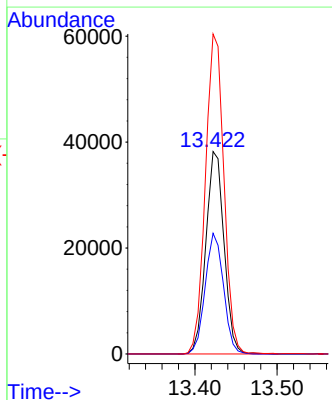
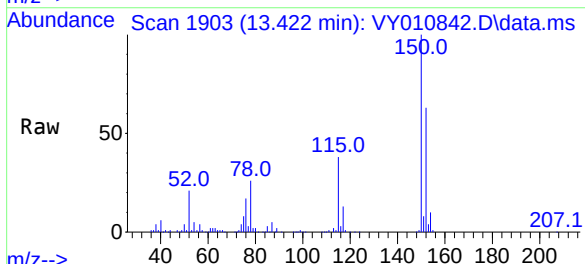
Instrument :
MSVOA_Y
ClientSampleId :
D22015-18

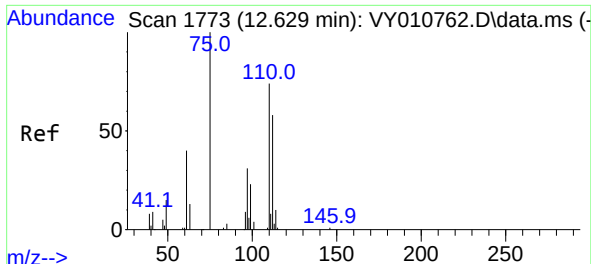
Tgt Ion:117 Resp: 231633
Ion Ratio Lower Upper
117 100
82 55.9 43.0 64.4
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010842.D
Acq: 06 Oct 2022 14:14

Tgt Ion:152 Resp: 58792
Ion Ratio Lower Upper
152 100
115 59.9 28.2 84.7
150 160.2 0.0 347.6

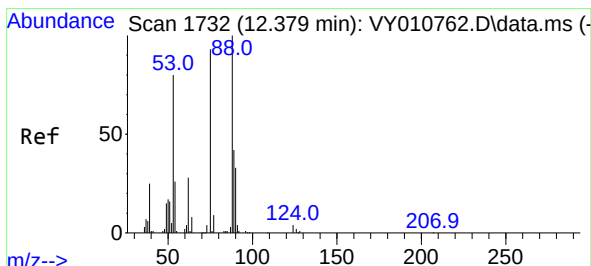
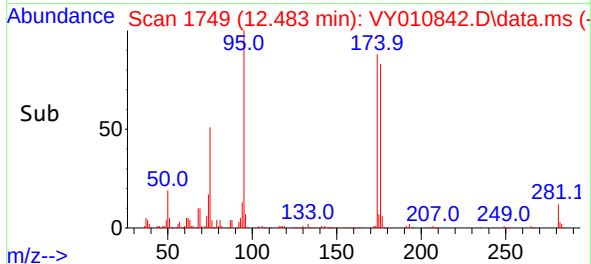
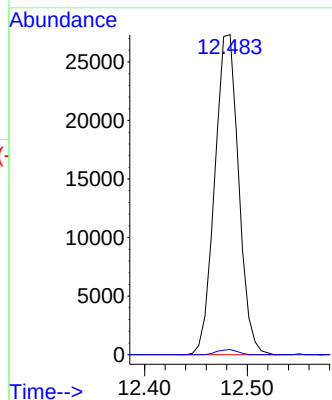
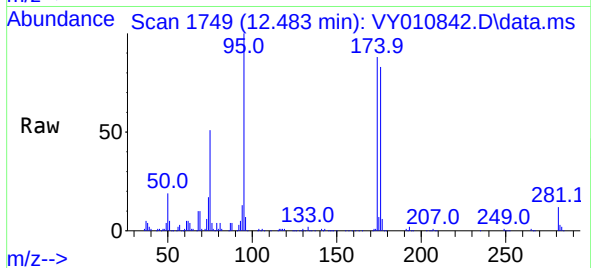




#76
1,2,3-Trichloropropane
Concen: 74.053 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY010842.D
Acq: 06 Oct 2022 14:14

Instrument :
MSVOA_Y
ClientSampleId :
D22015-18

Tgt Ion: 75 Resp: 44090
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 154.691 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY010842.D
Acq: 06 Oct 2022 14:14

Tgt Ion: 75 Resp: 44090
Ion Ratio Lower Upper
75 100
53 0.3 85.3 127.9#
89 0.0 37.0 55.4#

